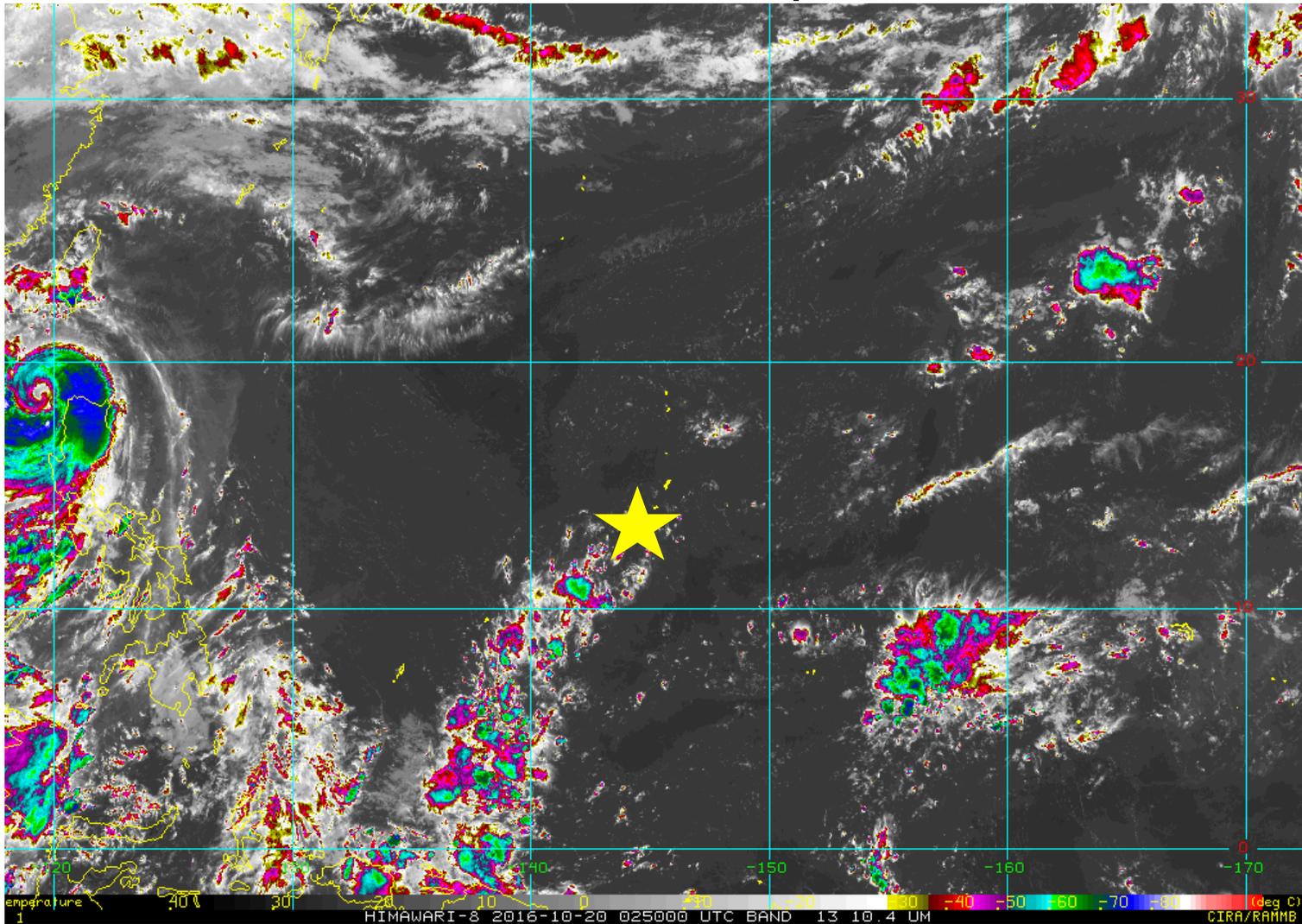


# POSIDON

## weather briefing

2016-10-20  
(next flight: 2016-10-21, Fri)

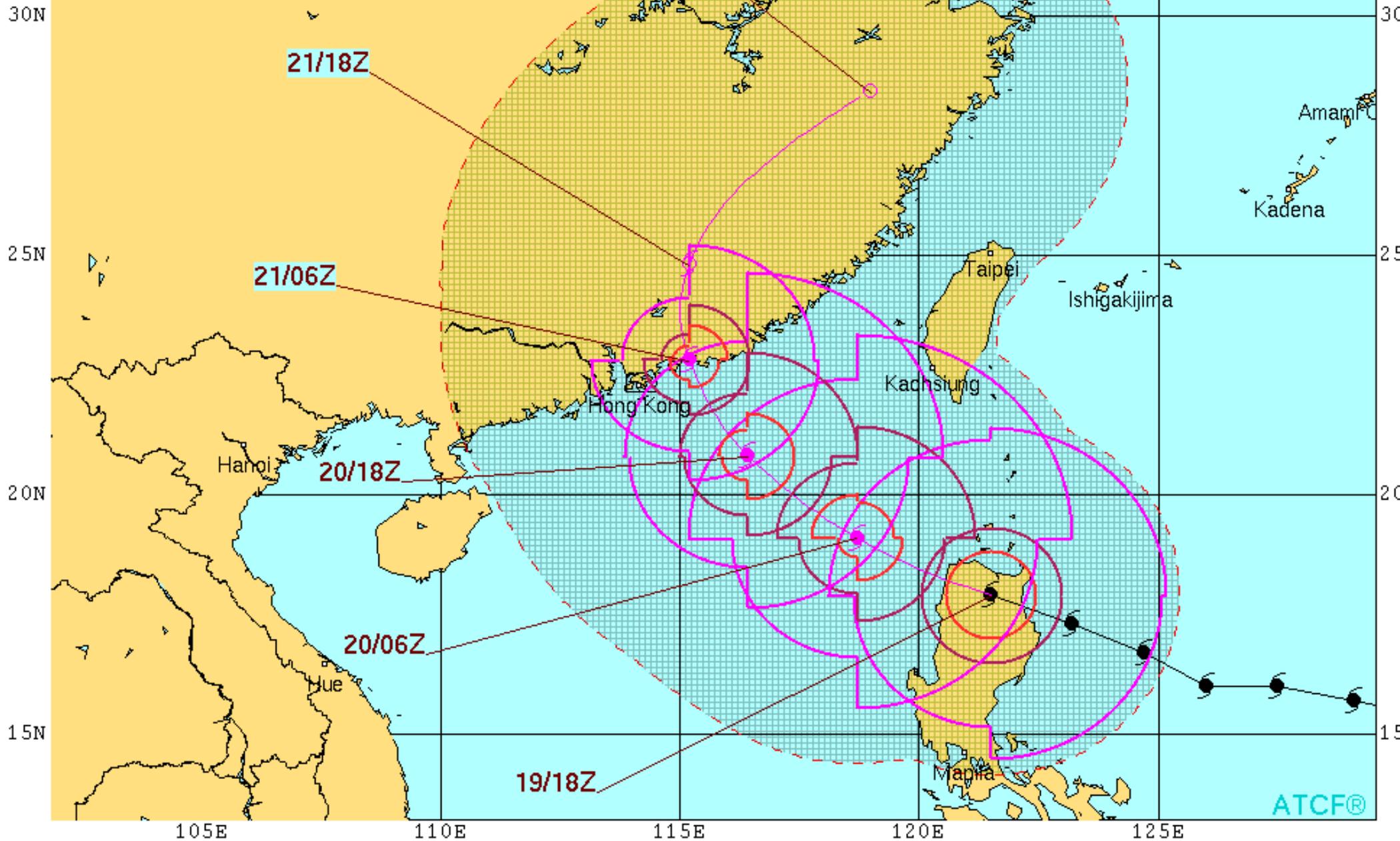
# current IR satellite imagery 10/20, 12:50pm LT



- surface trough moving through Guam today
- another surface trough SE of Guam weakened overnight, moving west, expect drier air after it passes

# Typhoon Haima 22/18Z

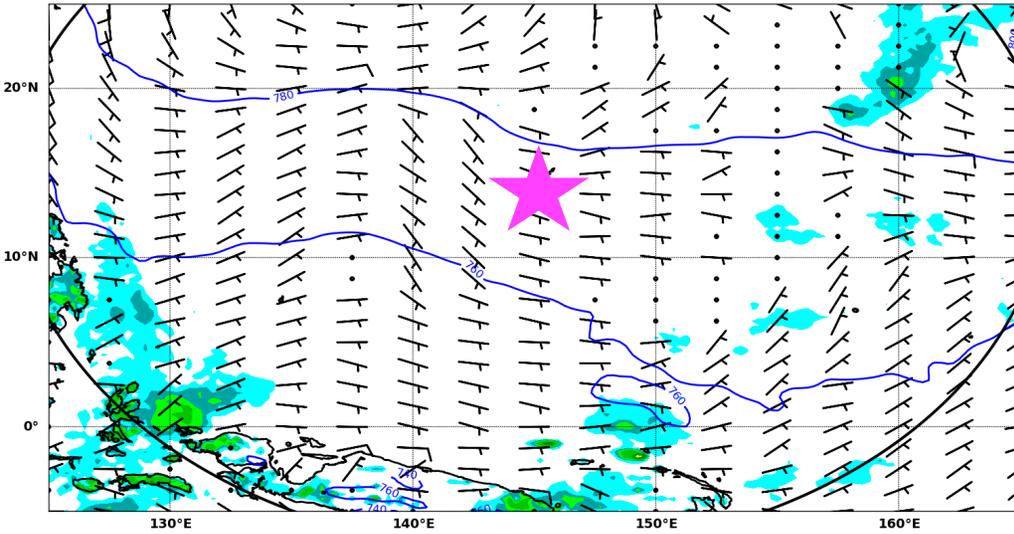
100 knt, gusts 125 knt



# ECMWF forecast: precip (color) & surface winds

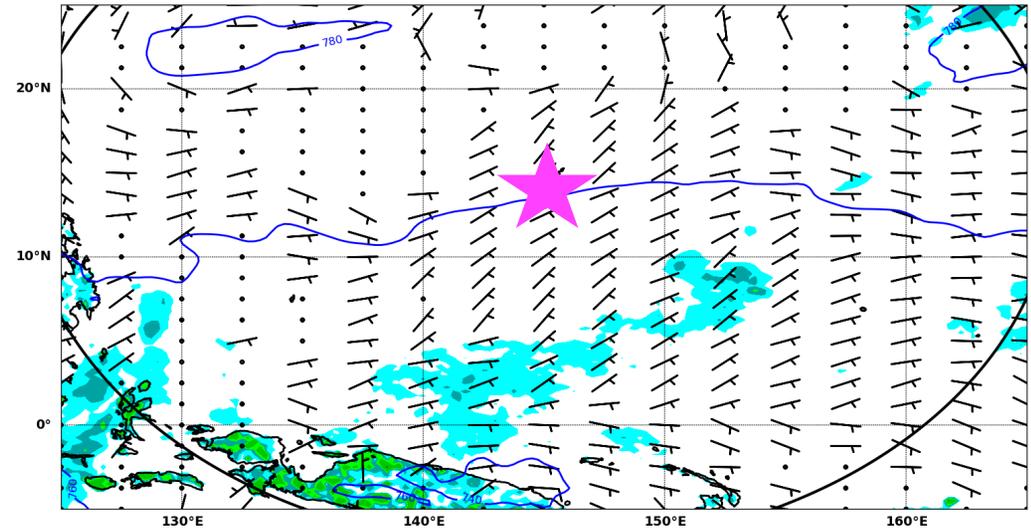
## Fri 4pm

ECMWF forecast initialized on Wednesday 19 Oct 2016 12:00UTC, 42hour forecast for 925mb Z, winds and Total precipitation on:  
Friday 21 Oct 2016 06:00UTC , Guam time: Friday 21 Oct 2016 16:00



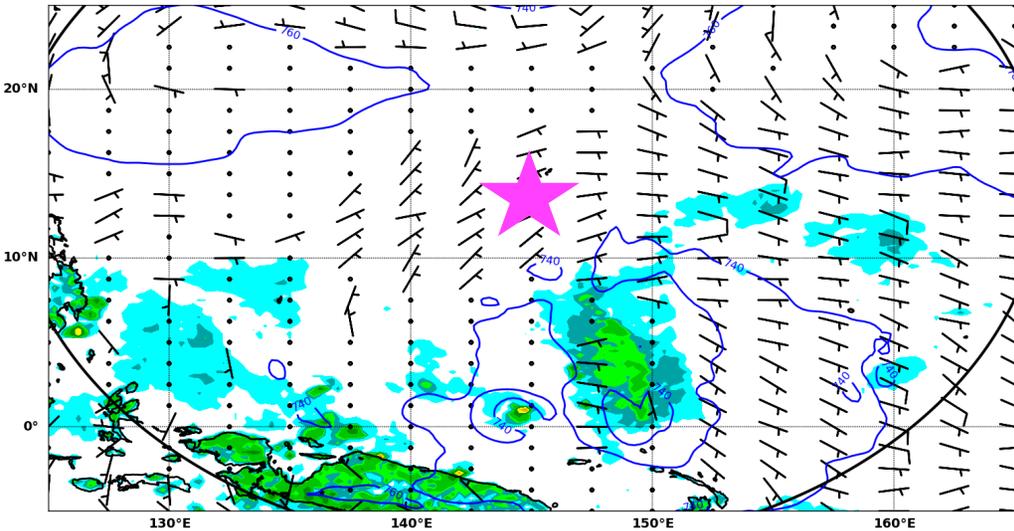
## Sat 4pm

ECMWF forecast initialized on Wednesday 19 Oct 2016 12:00UTC, 66hour forecast for 925mb Z, winds and Total precipitation on:  
Saturday 22 Oct 2016 06:00UTC , Guam time: Saturday 22 Oct 2016 16:00



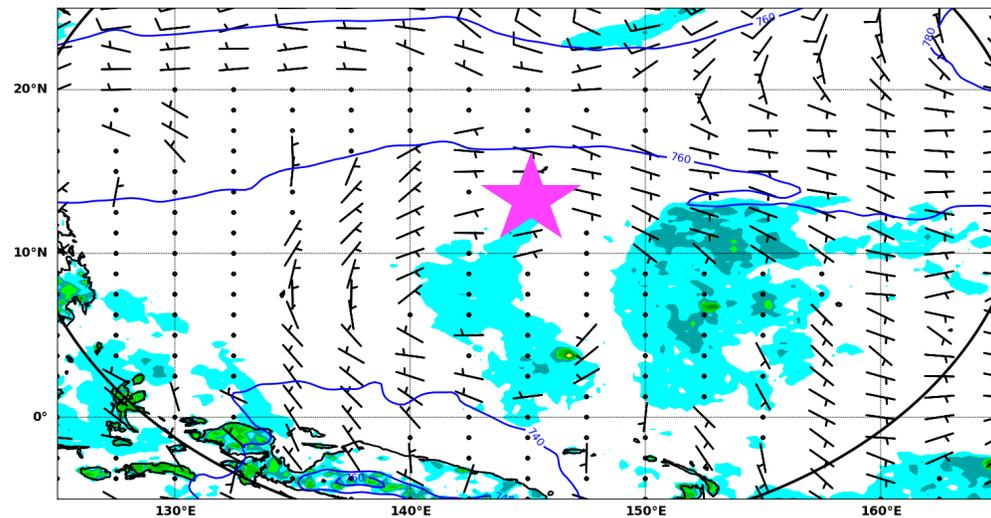
## Sun 4pm

ECMWF forecast initialized on Wednesday 19 Oct 2016 12:00UTC, 90hour forecast for 925mb Z, winds and Total precipitation on:  
Sunday 23 Oct 2016 06:00UTC , Guam time: Sunday 23 Oct 2016 16:00



## Mon 4pm

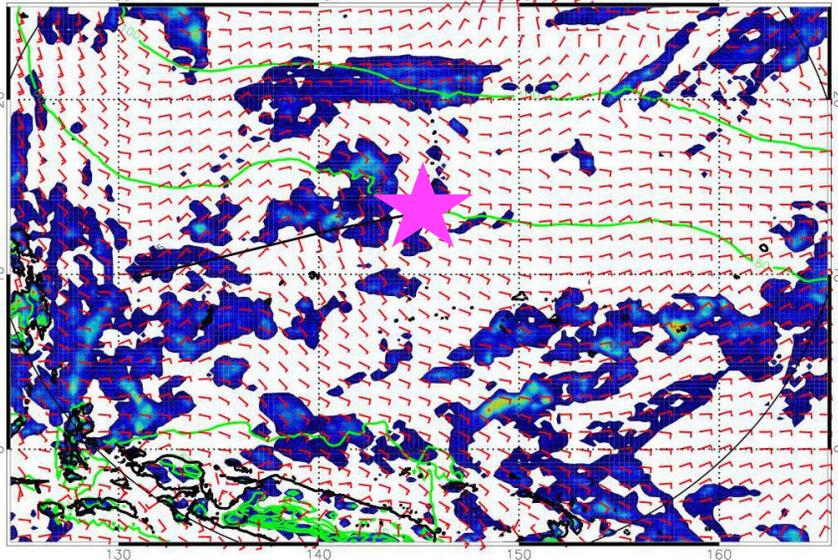
ECMWF forecast initialized on Wednesday 19 Oct 2016 12:00UTC, 114hour forecast for 925mb Z, winds and Total precipitation on:  
Monday 24 Oct 2016 06:00UTC , Guam time: Monday 24 Oct 2016 16:00



# GFS forecast: precip (color) & surface winds

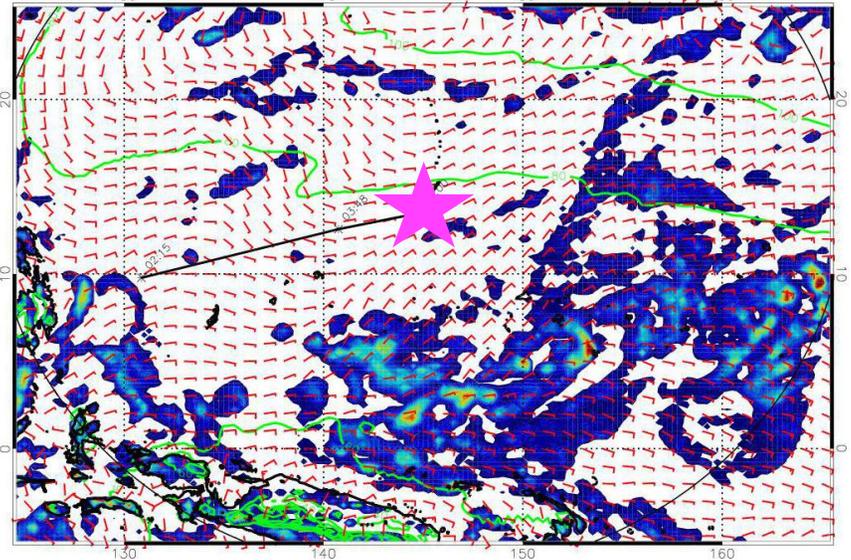
## Fri 4pm

16102106, 048 hour forecast for precip, 1000mb Z, and winds (knots) -- NCEP GFS



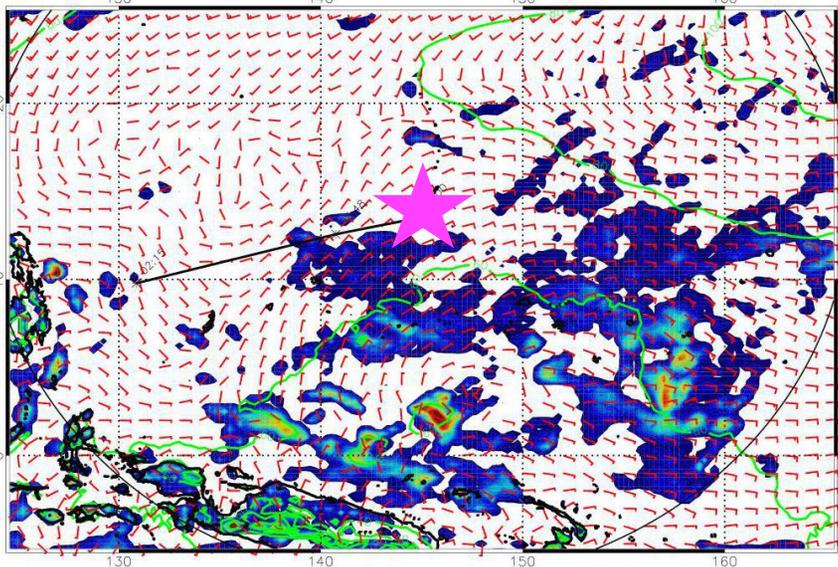
## Sat 4pm

16102206, 072 hour forecast for precip, 1000mb Z, and winds (knots) -- NCEP GFS



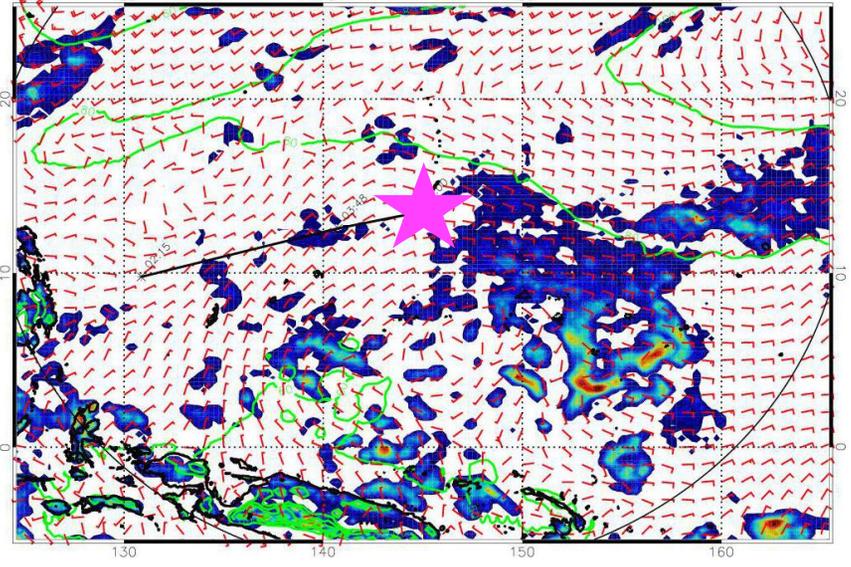
## Sun 4pm

16102306, 096 hour forecast for precip, 1000mb Z, and winds (knots) -- NCEP GFS



## Mon 4pm

16102406, 120 hour forecast for precip, 1000mb Z, and winds (knots) -- NCEP GFS



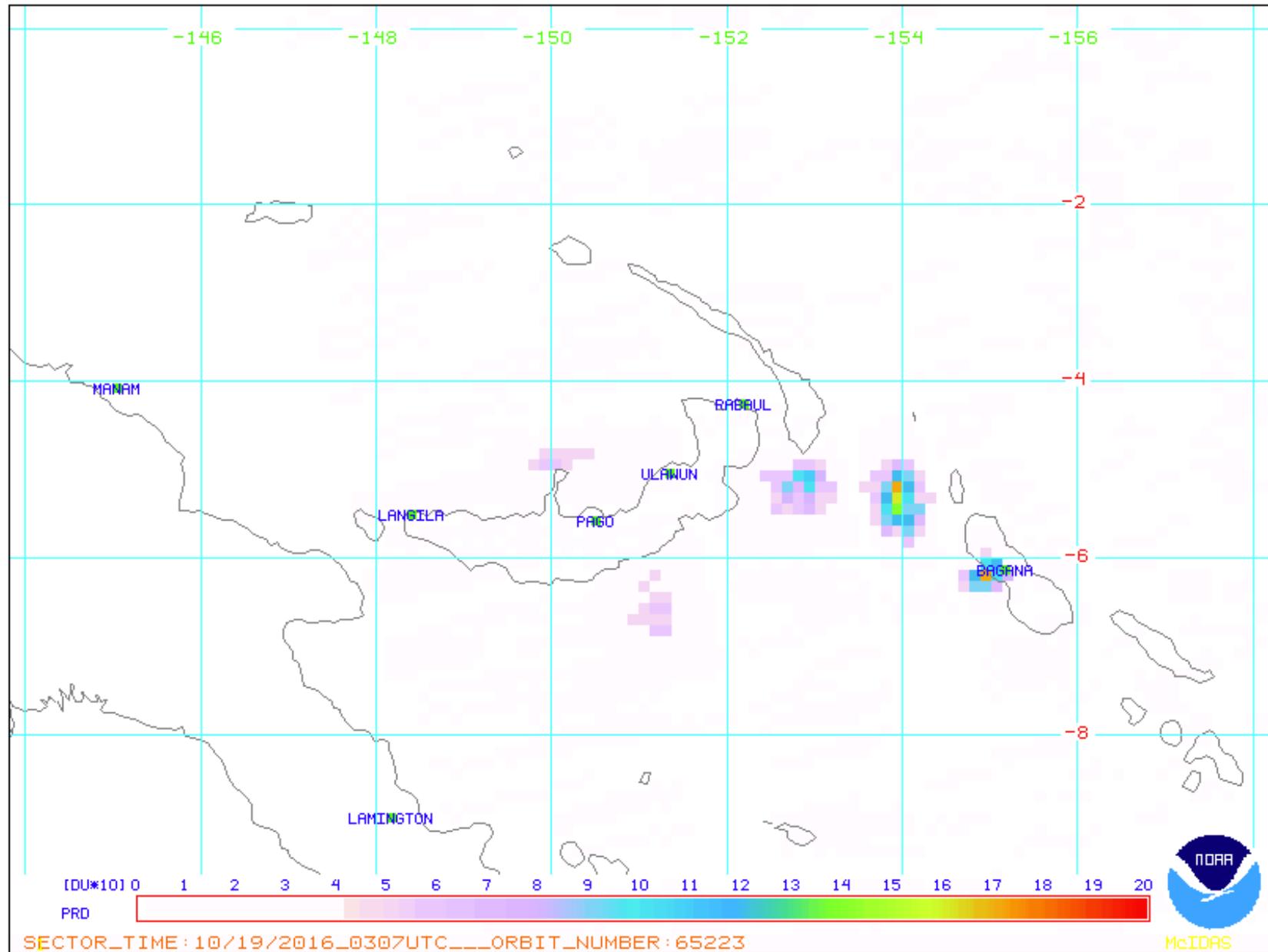
# Takeoff & Landing conditions

	wind (knots)	wx
Fri 10/21 00Z (10am) 10/21 06Z (4pm)	SE 5-10 SE 5-10	isolated showers and T-storms
Sat 10/22 00Z (10am) 10/22 06Z (4pm)	ENE 5-10 ENE 5-10	isolated showers and T-storms
Sun 10/23 00Z (10am) 10/23 06Z (4pm)	NE 5-10 NE 5-10	isolated showers and T-storms

# Summary

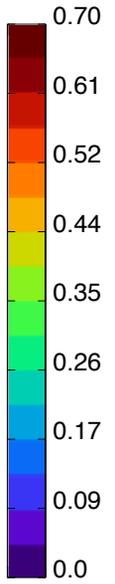
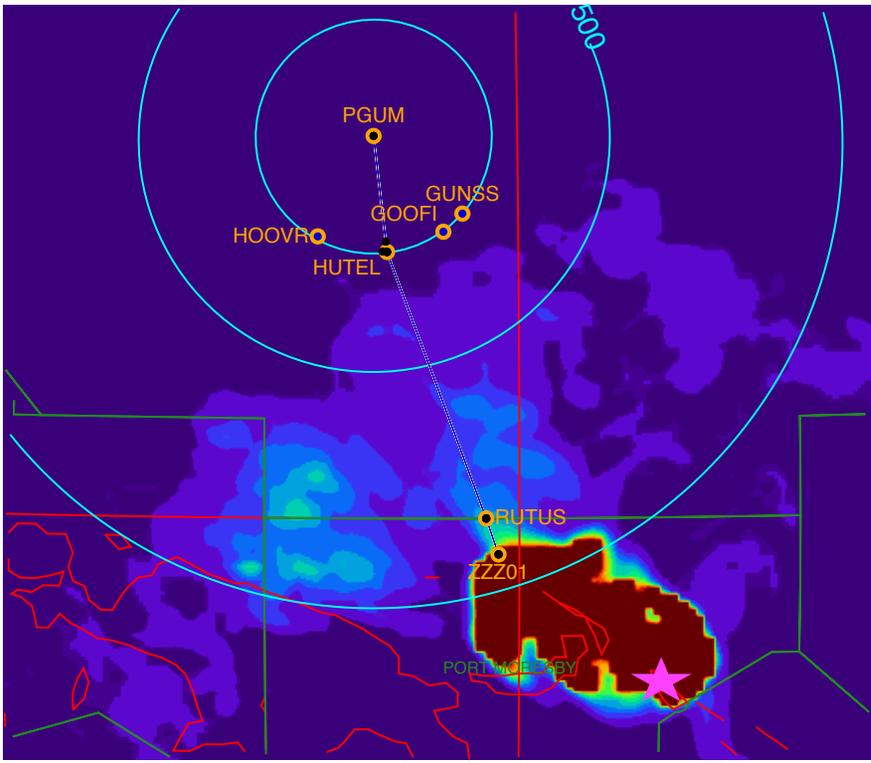
- Typhoon Haima (Cat 4) has moved away from Guam, made landfall in the Philippines
- Surface trough SE of Guam has weakened overnight and moving west
- Good takeoff & landings conditions at Guam through early next week
- weak (5-10 knot) winds, isolated showers & thunderstorms (expect island convection near landing time)

# column SO<sub>2</sub> (10/19 ~ 1pm)



2016-10-21T03:15 UTC (54-hr fcst) at 150.0 HPa

SO2 (ppb)



GEOS5.7

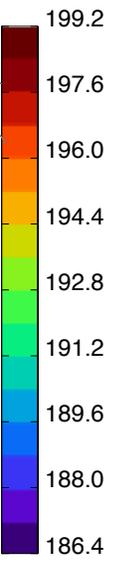
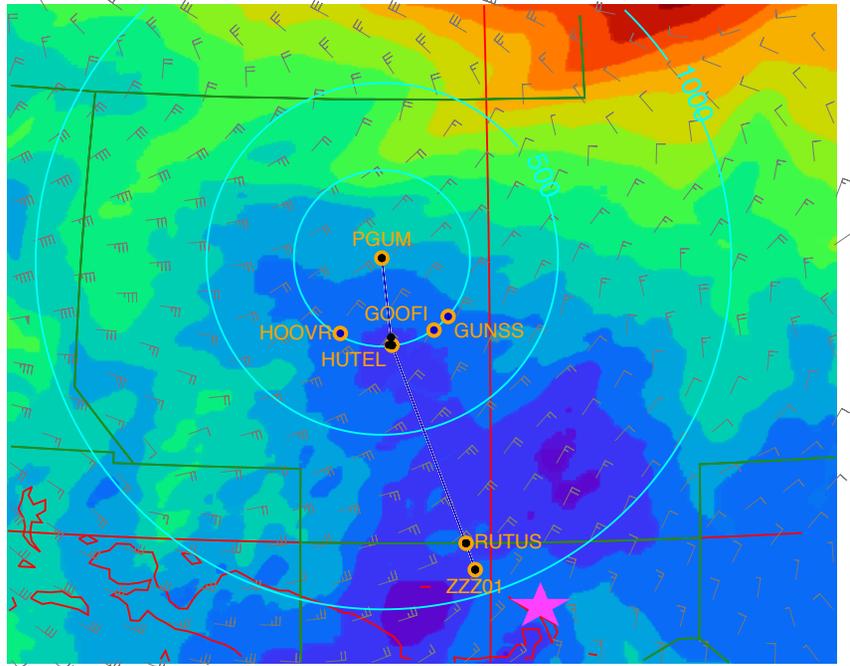
# 10/21 (Fri) flight plan

total distance: 1878 nmi

head SE towards  
Bougainville Island  
(Papua New Guinea)

2016-10-21T03:15 UTC (42-hr fcst) at 100.0 HPa

T (K)



GEOS5.72

WIND2 (knots)